AMENDMENTS TO THE CLAIMS

Listing Of Claims

Claims 1-152 (Canceled)

- 153. (previously presented) A semiconductor component comprising:
- a thinned semiconductor die having a circuit side, a thinned back side and a plurality of peripheral edges;
- a first polymer layer covering the circuit side and the edges; and
 - a second polymer layer covering the back side.
- 154. (previously presented) The semiconductor component of claim 153 further comprising a plurality of die contacts on the die, and a plurality of contact bumps on the die contacts embedded in the first polymer layer.
- 155. (previously presented) The semiconductor component of claim 154 further comprising a plurality of terminal contacts on the contact bumps.
- 156. (previously presented) The semiconductor component of claim 154 wherein the terminal contacts comprise bumps or balls in a grid array, or planar pads configured as an edge connector.
- 157. (previously presented) The semiconductor component of claim 154 wherein the second polymer layer is opaque to radiation at a selected wavelength.
- 158. (previously presented) The semiconductor component of claim 154 wherein the second polymer layer comprises a wafer level underfill tape.

- 159. (previously presented) The semiconductor component of claim 154 wherein the second polymer layer comprises parylene.
- 160. (previously presented) The semiconductor component of claim 154 wherein the second polymer layer comprises a photoresist.
- 161. (previously presented) The semiconductor component of claim 154 wherein the second polymer layer comprises a tape.
- 162. (previously presented) The semiconductor component of claim 154 wherein the second polymer layer comprises a stereographic imageable resist.
- 163. (currently amended) The method semiconductor component of claim 154 wherein a thickness of the component is about 28.5 mils.
- further comprising etching the substrate following the thinning step such that the substrate is recessed with respect to the portions of the polymer filled trenches.
- 164. (currently amended) The method semiconductor component of claim $\frac{163}{154}$ wherein a thickness of the die substrate following the etching step is about 10 μ m to $\frac{250}{720}$ μ m.
- 165. (previously presented) The semiconductor component of claim 154 further comprising a polymer tape attached to the thinned back side which is opaque to radiation at a selected wavelength, and a laser marking on the polymer tape.

- 166. (previously presented) The semiconductor component of claim 154 further comprising a conductive via in the thinned substrate.
- 167. (previously presented) The semiconductor component of claim 166 wherein the conductive via comprises a conductive member exposed with respect to the substrate to provide a pin terminal contact.
- 168. (currently amended) The semiconductor component of claim 166 wherein the conductive via comprises a conductive member, and the component further comprises a conductor on the back side and a terminal contact on the back side in electrical communication with the conductive via.

conductivity region.

- 169. (previously presented) The semiconductor component of claim 166 wherein the conductive via comprises a reverse bias junction.
- 170. (previously presented) A semiconductor component comprising:
- a thinned semiconductor die having a circuit side, a back side, four peripheral edges, and a plurality of die contacts;
 - a plurality of contact bumps on the die contacts;
- a first polymer layer covering the circuit side, the contact bumps and the peripheral edges;
 - a second polymer layer covering the back side; and
 - a plurality of terminal contacts on the contact bumps.
- 171. (previously presented) The semiconductor component of claim 170 wherein the contact bumps and the first polymer layer are planarized to a same surface.

- 172. (previously presented) The semiconductor component of claim 170 wherein the contact bumps comprise metal bumps.
- 173. (previously presented) The semiconductor component of claim 170 wherein the terminal contacts comprise conductive bumps or balls.
- 174. (previously presented) The semiconductor component of claim 170 wherein the first polymer layer has a planarized first surface.
- 175. (previously presented) The semiconductor component of claim 170 wherein the second polymer layer has a planarized second surface.
- 176. (previously presented) The semiconductor component of claim 170 further comprising a plurality of conductive vias in electrical communication with the die contacts and with the terminal contacts.
- 177. (previously presented) The semiconductor component of claim 176 further comprising a plurality of second die contacts on the second polymer layer in electrical communication with the conductive vias.
- 178. (previously presented) The semiconductor component of claim 170 wherein the second polymer layer comprises a photopolymer.
- 179. (previously presented) The semiconductor component of claim 170 wherein the second polymer layer comprises a wafer level underfill.
- 180. (previously presented) A semiconductor component comprising:

- a thinned semiconductor die having a circuit side, a back side and four peripheral edges;
- a circuit side polymer layer covering the circuit side;
- a plurality of edge polymer layers covering the four peripheral edges, the edge polymer layers and the circuit side polymer layer comprising a continuous layer of material, the edge polymer layers comprising portions of polymer filled trenches; and
 - a back side polymer layer covering the back side.
- 181. (previously presented) The semiconductor component of claim 180 further comprising a plurality of die contacts on the die, and a plurality of contact bumps on the die contacts embedded in the circuit side polymer layer.
- 182. (previously presented) The semiconductor component of claim 180 further comprising a plurality of die contacts on the die, and a plurality of planarized contact bumps on the die contacts embedded in the circuit side polymer layer and planarized to a surface thereof.
- 183. (currently amended) The semiconductor component of claim $\frac{180}{182}$ further comprising a plurality of terminal contacts on the contact bumps.
- 184. (previously presented) The semiconductor component of claim 180 further comprising a plurality of conductive vias through the die
- 185. (previously presented) The semiconductor component of claim 180 further comprising a plurality of conductive vias through the die including exposed portions configured as pins.

- 186. (previously presented) The semiconductor component of claim 180 further comprising a plurality of conductive vias through the die including tip portions, a plurality of conductors on the back side in electrical communication with the conductors, and a plurality of terminal contacts on the back side in electrical communication with the tip portions.
- 187. (previously presented) The semiconductor component of claim 180 wherein the back side polymer layer is opaque to radiation at a selected wave length.
- 188. (previously presented) The semiconductor component of claim 180 wherein the back side polymer layer comprises a wafer level underfill.

189-261 (canceled)